



SEQUENCE LISTING

Sub
DI
C1
<110> Meloen, Robert Hans
Oonk, Hendrica Berendina

<120> An Improved Peptide, Immunogenic Composition and Vaccine or
Medical Preparation, a Method to Immunise Animals Against the Horm
one
LHRH, and Analogs of the LHRH Tandem Repeat Peptide and their Use
as
Vaccine

<130> 2183-4518US

<140> 09/659,983

<141> 2000-09-12

<150> US 09/274,048

<151> 1999-03-22

<150> US 08/981,557

<151> 1995-06-07

<150> PCT/NL96/00223

<151> 1996-06-06

<150> US 08/447,298

<151> 1995-06-07

<150> US 08/476,013

<151> 1995-06-07

<160> 13

<170> PatentIn version 3.0

<210> 1

<211> 10

<212> PRT

<213> Sus scrofa

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<222> (1)..(1)

<223> X=pyroglutamic acid

Sub
D1
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223

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Xaa His Trp Ser His Gly Trp Tyr Pro Xaa
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forms
GnRH/ LHRH

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addi

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<222> (3)..(3)

<223> X=Trp or N(indole)formyl-tryptophan

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G1

n at position 1

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Gly Leu Arg Pro Xaa
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<210> 4

sub
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GnRH/ LHRH

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Leu Arg Pro Gly Xaa
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Sub
D1

~~Sub~~

D1

Cont

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GnRH/ LHRH

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~~Leu Arg Pro Gly Xaa
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~~GnRH/ LHRH~~

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1 5 10 15

Leu Xaa Pro Gly Xaa
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GnRH/ LHRH

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Leu Arg Pro Xaa Xaa
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GnRH/ LHRH

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Sub
D1

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Leu Arg Pro Gly Cys Xaa His Thr Ser Tyr Xaa Leu Arg Pro Gly Xaa
20 25 30

His Thr Ser Tyr Xaa Leu Arg Pro Gly Cys
35 40

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forms

GnRH/ LHRH

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Sub
DL
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1 5 10 15

Leu Ala Pro Gly Xaa
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C
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forms

GnRH/ LHRH

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SUB
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Leu Arg Pro Gly Xaa
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C
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GnRH/ LHRH

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Leu Arg Pro Gly Xaa
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GnRH/ LHRH

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Xaa Arg Pro Gly Xaa
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Sub
D1
forms

GnRH/ LHRH

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AI
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1 5 10 15

Leu Arg Xaa Gly Xaa
20